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(71)Applicant : SEIKO INSTRUMENTS INC

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(72)Inventor : KODAMA TOSHIO
KADA MASAKATSU
FUJII TOSHIKI
IWASAKI KOJI
SUGIYAMA YASUHIKO
TAKAGI YASUYUKI

(54) ION BEAM DEVICE, AND WORKING METHOD OF THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an ion beam device capable of preventing secondary particles from re-adhesion on an observing surface (cross section).

SOLUTION: The ion beam device comprises a liquid metal ion beam irradiation device 1 forming a cross section by irradiating a prescribed liquid metal ion beam on a specified site of a specimen 6, and a gaseous ion beam irradiation device 7 removing a damaged layer on a prescribed region by scanning the prescribed region (observing region) of the cross section by the gaseous ion beam converged into a prescribed beam radius.

